FIG.1

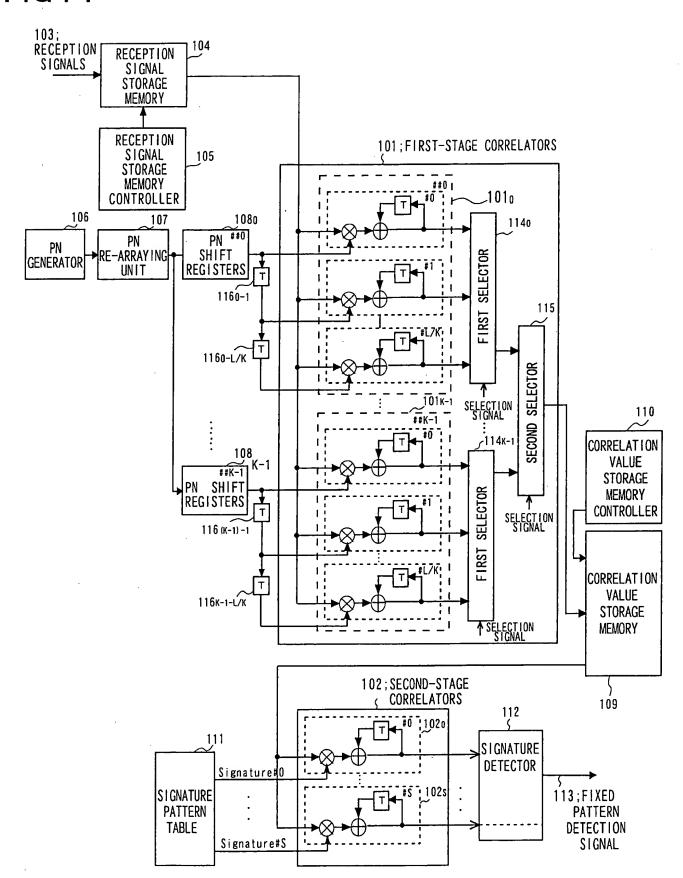


FIG . 2

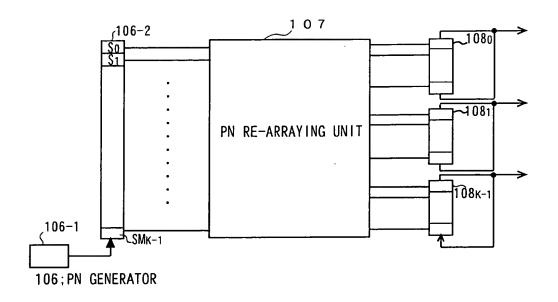


FIG . 3

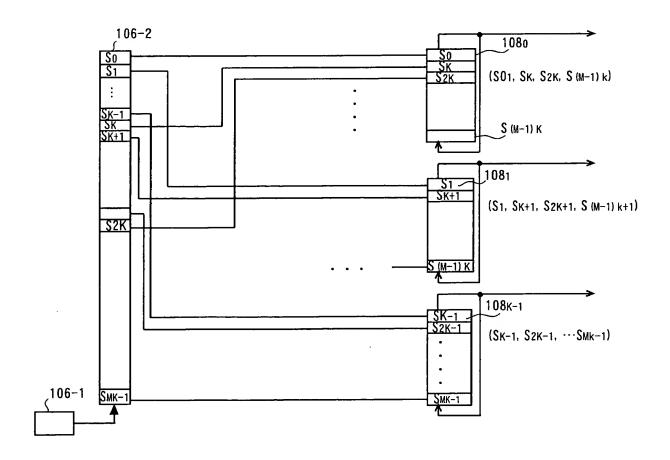


FIG. 4

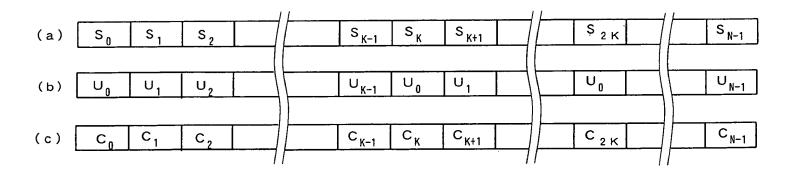


FIG. 5

M+L/K-1					G+(w-1)rS(w-1)r				GL+(M-1)KS(M-1)K+1				C1+(M-1)XS(M-1)K+2					CL+(M-1)KSMK-1
:	€ €	* "	≈ ≈		≈ \$	 ♠ =		*										
<u>*</u>			C(M+1)KS(M-1)K											-\$\$				
æ		Curs(n-1)K	CurS(H-2)K				CMKS(M-1)K+1							<i>"</i>		CMKSMK-1		
M-1	C(M-1)KS(M-1)K	C(M-1)XS(M-2)K CMKS(M-1)K	C(M-1)XS(M-3)X CMXS(M-2)X C(M+1)XS(M-1)X			G(M-1)KS(M-1)K+1				C(H-1)KS(H-1)K+2					C(M-1)XSMK-1			
. <u>ii</u> .	ຂ ຮ				≈ ×	" "		*						%				
L/K					Ç.S ₀	•••••			C _L S ₁				C ₁ S ₂					C _L S _{K-1}
	≈ ⊌	» ×	<i>))</i> //	"		<i>"</i>)) //	"					:	%			• ·	
2	CzĸSzĸ	CzkSk	°SXZ)			C2KS2K+1	C2KSK+1			Cax Sax+2	CzxSk+z			,,	C _{2K} S _{3K-1}	C2KS2K-1	• 1	
1	C _K S _K	C _K S ₀				G _K S _{K+1}	C _t S ₁			C _K S _{K+2}				**************************************	C _K S _{2K-1}	C _K S _{K-1}	••	
0	C ₀ S ₀					C ₀ S ₁				C ₀ S ₂					C ₀ S _{K-1}		••	
	₽	#1	#2		#[/×	Q #	#1		#L/K	Q #	#1		#L/K		0#	#		#[/K
į	О## О ## О				# ⊙8 B1		CORE	# 'OCK	# 0 .08 Br	TAJB	CORE		# # B B C		IBAS	col		

FIG. 6

												 				·	
M+1 /K-1					C-(W-1)X+1S(W-1)X				CL+(M-1)K+1S(M-1)K+1			G+(M-1)X+1S(M-1)X+3					CL+(M-1)X+1SMK-1
:	* *	e :	# *	= ;	* *	æ =	* *	*									
M+1			C(M+1)K+1S(M-1)K														
×		CMK+1S(M-1)K	CMK+1S(M-2)K				CMK+1S(M-1)K+1						-\$\$ -\$\$		CMK+1SMK-1		
₹	C(M-1)K+1S(M-1)K	C(M-1)K+1S(M-2)K CMK+1S(M-1)K	CH-1)X+12(H-3)X CHX+12(H-1)X			C(M-1)K+1S(M-1)K+1				C(M-1)K+1S(M-1)K+2				C(M-1)K+1SMK-1			
::	ຂ ຊ				"		<i>"</i>	"					%				
Ž					CL+1So				G-181			C _{L+1} S ₂	%				CL+1SK-1
:8	≈ ≥	// K	<i>"</i>	<i>"</i>		<i>n</i> «	<i>"</i> «	"					u			••	
2	C2K+1S2K	C2K+1SK	C _{2K+1} S ₀			Czk+1Szk+1	C2K+1SK+1			CK+1SK+2 C2K+1S2K+2	C2K+1SK+2	,		CK+1S2K-1 C2K+1S3K-1	CK+1SK-1 CXK+1SZK-1	••	
-	C _{K+1} S _K	CK+1S0				CK+1SK+1	C _{K+1} S ₁			GK+1SK+2	C _{K+1} S ₂		**	CK+1S2K-1	C _{K+1} S _{K-1}	••	
0	c ₁ S ₀					C,S,	,			C ₁ S ₂			" "	C ₁ S _{K-1}			
- 	9#	#1	#2		#L/K	¥	#		#L/K	0 #	#1	#[/K		₽	<u>=</u>		# \ \ \
	CORRELATOR BLOCK					18 AO:		соы		18 AO.	CORE		# # 8 BC		אצבר	ဝ၁	

FIG . 7

		***************************************	1	2		K
X	#	CORRELATOR #O	D_0U_0	D ₁ U ₀		$D_{K-1}U_0$
CORRELATOR BLOCK	#	CORRELATOR #1	D _K U₀	D _{K+1} U ₀	• • • •	$D_{2K-1}U_0$
ATO	U	CORRELATOR #2	D _{2K} U ₀	$D_{2K+1}U_{0}$	• • • •	D _{3K-1} U ₀
걸			:	:	****	:
8		CORRELATOR #L/K	DLU	D _{L+1} U ₀		$D_{L+K-1}U_1$
Š	#	CORRELATOR #O	D ₋₁ U ₁	D ₀ U ₁	• • • •	D _{K-2} U ₁
CORRELATOR BLOCK	#	CORRELATOR #1	D _{K-1} U ₁	D _K U ₁	****	$D_{2K-2}U_1$
ATO	,	CORRELATOR #2	D _{2K-1} U ₁	D _{2K} U ₁	• • • •	$D_{3K-2}U_1$
필		:		: -		<u> </u>
8		CORRELATOR #L/K	$D_{L-1}U_1$	D _L U ₁	• • • •	$D_{L+K-2}U_0$
*	1	· · ·	y : ≈	: ^	<i> 6</i>	<u> </u>
ğ	#	CORRELATOR #O	$D_{-(K-1)}U_{K-1}$	D-K+2UK-1	• • • •	D_0U_{K-1}
 %	#	CORRELATOR #1	D ₁ U _{K-1}	D ₂ U _{K-1}	4	D _K U _{K-1}
CORRELATOR BLOCK	K-1	CORRELATOR #2	$D_{K+1}U_{K-1}$	D _{K+2} U _{K-1}		D _{2K} U _{K-1}
S S		CORRELATOR #L/K	DL-(K-1)UK-1	DL-K+2UK-1		$D_L U_{K-1}$

FIG . 8(a)

##0#0 CoSo+CkSk+···+C (M-1) KS (M-1) K

IMPUT DATA Co

RECEPTION SIGNAL So

FIG . 8(b)

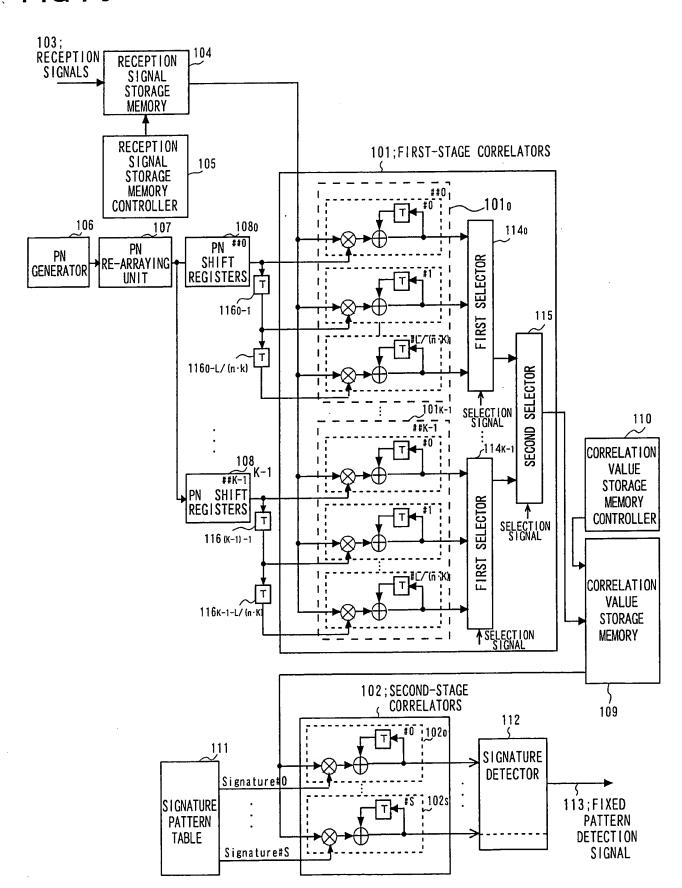
##1#0 C1S1+CK+1SK+1···C (M-1) K+1S (M-1) K+1

IMPUT DATA

C1

***CEPTION SIGNAL S0 S1 · · ·

FIG. 9



_	_	
_		<u>ر</u>
T	_	_
		•
	-	3
	_	_
L	L	_

M+L/(n-K)-1					C/+(M-1)KS(M-1)K				G_/#(M-1)KS(M-1)K+1				G_/2+(M-1)KS(M-1)K+2					CL/2+(M-1)KSMK-1
	ຂ ຮ	« »	~ >	* *	* *	« »	# ×	*										
M+1			C(M+1)KS(M-1)K											-\$				
×		CMKS(M-1)K	CurS(M-2)K				CMKS(N-1)K+1							<i>"</i>		CurSuk-1		
M-1	C(M-1)KS(M-1)K	C C(M-1)KS(M-2)K CMKS(M-1)K	" G(M-1)KS(M-3)K GMKS(M-2)K G(M+1)KS(M-1)K			C(M-1)KS(M-1)K+1				C(M-1)KS(M-1)K+2					G(M-1)KSMK-1			
.#.	≈ 5	* \$	2 %	≈ ≥	≈ ≥	*	≈ ≈	"						-%				
L/(n·k)	• • • • •				C _L ,S ₀				C _L ,S ₁				C ₁ / ₂ 2					G_/,SK-1
.ÿ.	× 5	ຶ ຮ	× ×	*		// 	<i>w</i>	"						<i>»</i>			••	
2	CzĸSzĸ	CzkSk	CzxSo			C2KS2K+1	C ₂ KS _{K+1}			CKSK+2 C2KS2K+2	C2KSK+2			44	CKSzk-1 CzKSzk-1	C2KS2K-1	• •	
1	C _K S _K	C _K S ₀				C _K S _{K+1}	C _k S ₁	ŀ		C _K S _{K+2}	C _r S ₂			** **	C _K S _{2K-1}	C _K S _{K-1}		
0	C ₀ S ₀					C ₀ S ₁				C ₀ S ₂				<i>*</i>	C ₀ S _{K-1}		• •	
	0 #	#1	#2		#L/(n·K)	0#	#1		#[/(n·K)	0#	#1		#[/(n·K)	"	£	#1		#L/(n·K)
	CORRELATOR BLOCK				# -		NO.		# ()	יבר∀ו	ואטט		# # צ פרכ		א בו	เดอ		

FIG . 11

		1	2		K
× #	CORRELATOR#O	D ₀ U ₀	D₁U₀		D _{K-1} U ₀
CORRELATOR BLOCK	CORRELATOR#1	Dĸ∩°	D _{K+1} U ₀		D _{2K-1} U ₀
ATO	correlator#2	D _{2K} U ₀	D _{2K+1} U ₀		$D_{3K-1}U_0$
REL	:		:		:
S.	correlator#L/(n·K)	$D_{L/n}U_0$	$D_{U_{n+1}}U_0$	••••	$D_{L/n+K-1}U_0$
# ock	CORRELATOR#O	D ₋₁ U ₁	D₀U₁		D _{K-2} U ₁
CORRELATOR BLOCK	CORRELATOR#1	$D_{K-1}U_1$	D _K U ₁	• • • •	D _{2K-2} U ₁
ATO!	correlator#2	$D_{2K-1}U_1$	D _{2K} U ₁	••••	$D_{3K-2}U_0$
REL	•	:	:	• • • •	<u> </u>
SO	correlator#L/(n·K)	$D_{L/n-1}U_1$	$D_{L/n}U_1$	• • • •	DL/n+K-2U0
× /	۶ : ۲ :	•	• : 4	:	* : ≏
# OCK	CORRELATOR#O	$D_{-(K-1)}U_{K-1}$	D-K+2UK-1		D ₀ U _{K-1}
# # B	CORRELATOR#1	D ₁ U _{K-1}	D₂U _{K-1}	• • • •	$D_{K}U_{K-1}$
CORRELATOR BLOCK	CORRELATOR#2	$D_{K+1}U_{K-1}$	D _{K+2} U _{K-1}		D _{2K} U _{K-1}
REL					
COR	CORRELATOR#L/(n·K)	$D_{U_0-(K-1)}U_{K-1}$	D _{L/n-K+2} U _{K-1}		$D_{L/n}U_{K-1}$

FIG . 12

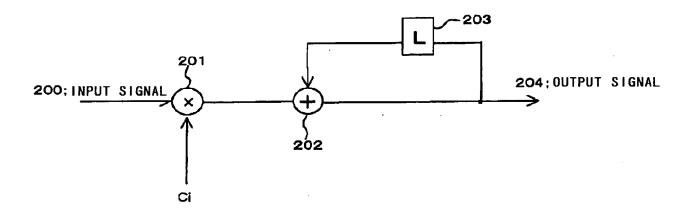


FIG . 13

